

## AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A fiber, wherein said fiber ~~comprises at least one~~ consists of a mesoporous molecular sieve, and wherein the mesoporous molecular sieve consists of an organosilane, a surfactant, an acid, ~~and~~ an alcohol and water.

2-3. (Canceled).

4. (Previously Presented) The fiber of claim 1, wherein the organosilane is selected from the group consisting of tetramethylorthosilicate, phenyltrimethoxy silane, p-aminophenyltrinethoxy silane, phenyl-trimethylchorosilane and trimethylchlorosilane.

5. (Previously Presented) The fiber of claim 1, wherein said fiber has a diameter ranging from about 10 nanometers up to about 1,000 nanometers.

6. (Currently Amended) A network of fibers wherein, said network ~~comprises~~ is made up of fibers ~~comprising at least one said fibers consisting of a~~ mesoporous molecular sieve wherein, said fibers are produced by electrospinning, and wherein the mesoporous molecular sieve consists of an organosilane, a surfactant, an acid, ~~and~~ an alcohol and water.

7-8. (Canceled).

9. (Previously Presented) The fibers of claim 6, wherein the organosilane is selected from the group consisting of tetramethylorthosilicate, phenyltrimethoxy silane, p-aminophenyltrinethoxy silane, phenyl-trimethylchorosilane and trimethylchlorosilane.

10-30. (Canceled)

31. (Currently Amended) A method of making a network of fibers comprising:

electrospinning a fiberizable mixture to form a network of fibers, wherein said mixture ~~comprises at least one~~ contains a mesoporous molecular sieve, and wherein the mesoporous molecular sieve consists of an organosilane, a surfactant, an acid, ~~and~~ an alcohol and water.

32-33. (Canceled)

34. (Previously Presented) The method of claim 31, wherein the organosilane is selected from the group consisting of tetramethylorthosilicate, phenyltrimethoxy silane, p-aminophenyltrinethoxy silane, phenyl-trimethylchorosilane and trimethylchlorosilane.

- 35. (Previously Presented) The fiber of claim 1 wherein the acid is hydrochloric acid or acetic acid.
- 36. (Previously Presented) The fiber of claim 1 wherein the alcohol is ethanol or propanol.
- 37. (Canceled)